

Workplace Alaska

Class Specification Carman

Created:
10/27/2003 by Cheryl Evans
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Approved by:

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Class Title: Carman
Use MJR Form: Alaska Railroad

Original Comments:

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Updated class spec to reflect new formatting for WPA - 1/12/04.(PK)

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Last Update Comments:

Updated position description.

Definition:

Performs inspection and repair activities, primarily directed to freight and passenger cars, both foreign and system, following applicable Field Manual of Association of American Railroads Interchange Rules, Federal Railroad Administration Regulations and Alaska Railroad Corporation's regulations/specifications.

Distinguishing Characteristics:

Examples of Duties:

- Performs inspection of railroad rolling stock for defective conditions in accordance with applicable Federal Railroad Administration Regulations, Part 231, Railroad Safety Appliance Standards, Part 215, Railroad Freight Car Safety Standards and Part 238, Passenger Equipment Safety Standards. Defective equipment is removed from service based upon application of applicable guidelines. Component inspection includes all aspects of freight and passenger car anatomy. In the course of passenger and freight car inspection, applicable Federal Railroad Administration Regulation inspection forms are documented and signed.
- Performs repairs to freight and passenger car rolling stock, both foreign and system, using various tools of trade. Repairs are performed in accordance with Field Manual of the Association of American Railroads Interchange Rules and AAR Manual of Standards, encompassing all component removal, replacement and/or restoration of car anatomy. When applicable, as in of tank car valves repair, ARRC Quality Assurance inspection forms are documented and signed in accordance with Title 49, Code of Federal Regulations, Part 179 Specifications for Tank Cars. Incumbent performs tank repairs in permit and non permit confined spaces.
- Performs individual freight car and train consist air brake tests in compliance with Title 49, Transportation, Code of Federal Regulations, Part 232, Brake System Safety Standards for Freight and other non-passenger trains and equipment; end of train devices.
- Performs individual passenger car and passenger train air brake tests in compliance with Title 49, Transportation, Code of Federal Regulations, Part 2382, Brake System Safety Standards for Freight and other non-passenger trains and equipment; end of train devices.
- Provides guidance to shippers in the proper placement and securement of lading using Association of American Railroads Open Top Loading Rules and approved ARRC interline procedures. Performs load inspection to insure lading securement and loading compliance.
- Responds to derailment situations, participating in re-railing activities associated with reestablishing mainline and service track access.
- Provides necessary Blue Signal Protection per Title 49, Transportation, Code of Federal Regulations, Part 218, Railroad Operating Practices.
- Participates in various aspects of training, including apprentices and other Car Department employees, as required.

Knowledge, Skills and Abilities:

Factor 1 - Knowledge and Skill

Incumbent must possess a thorough and comprehensive knowledge of railroad car anatomy, construction, repair, and/or maintenance. Ability to read, interpret and apply the detailed guidelines of the Association of American Railroads Interchange Rules and applicable Code of Federal Regulations is required to ensure proper repairs have been accomplished. Must possess knowledge required to apply various gauges required to gauge wheels, couplers, and other car components while engaged in inspections and repair activities. Functional in the preparation of AAR Billing Repair Cards for the documentation of repair activities and subsequent counter billing. Carman are required to use skills in more than one specific trade, including such skills as welding, sheet metal work, carpentry, pipe fitting, mechanical work and associated tooling to perform these duties. While engaged in the performance of duties, Carman are required to inspect equipment for defective conditions and determine status. Examples of inspected components are as follows:

Safety appliances: handholds, handbrakes, sill steps, ladders.

Air brake components: foundation brake rigging, including air brake components such as air hoses, angle cocks, brake rigging, brake valves, air cylinders and reservoirs.

Trucks assemblies: Truck frame components including wheels, axles, journal roller bearings and boxes and associated equipment.

Underframe and draft attachment components: coupler assemblies, draft gears and associated components, as well as center plate/side bearing arrangements.

Super structure assemblies: center sills, side posts, end sheets, roof sections, doors and interior of cars.

Incumbent must use initiative and sound judgment in the application of applicable rules and guidelines. It is preferred that incumbent have a thorough and comprehensive knowledge of re railing procedures.

Factor 2 - Responsibilities

Responsible for making proper diagnosis of defective conditions in order to ensure repair activities are in compliance with applicable Federal, Corporation and Industry standards. Where required, incumbent initiates and completes appropriate documentation. The employee is under the general supervision of the Freight Car Foreman who provides general work assignments; the incumbent assumes full responsibility for part of the overall operation of the Car shop functions; he advises both his supervisor, as well as higher echelon officials, on various technical problems that arise. Incumbent works with considerable independence from supervisory controls; Participates in various aspects of training, including apprentices and other Car Department employees, as required.

Factor 3 - Physical Effort

Position requires walking, stooping, bending, lifting and some climbing, as well as sitting for extended periods of time.

Factor 4 - Work Conditions

Repair and inspection activities are performed in a various number of settings, both indoors and out. Subject to noises and vibrations, fumes, gases and poor ventilation, dust, dirt, grease, grime, working around heavy equipment, icy, slippery surfaces, inclement weather conditions, and conditions normally present in a production shop environment. Safety clothing, i.e., steel toe shoes, gloves, hard hats, eyes and ears protection, are available and utilized to reduce or prevent injuries.

Minimum Qualifications:

Must have successfully completed a Carman's apprenticeship or has had four (4) years practical experience at carman work. Knowledge of railroad car construction, repair, and/or maintenance. Ability to read, interpret and absorb the detailed guides of the Association of American Railroads Interchange Rules and Regulations; the AAR Wheel and Axle Manual and the Safety Appliance Requirements for all class of cars.

Skill to use and maintain various gauges required to gauge wheels, couplers, and other car parts while performing inspections. Ability to determine whether defects or damage to foreign cars was the result of Alaska Railroad handling or due to owner's defect. Must possess knowledge to prepare Car Billing Repair Cards to ensure proper repairs have been accomplished and were necessary in order to place cars back in service. Incumbent must possess a thorough and comprehensive knowledge of rerailing procedures. Must use initiative, judgment, and rely on experience in the performance of duties. Knowledge of U.S. Safety Appliance and Power Brake Laws, Manual of Safety Rules and Regulations, blueprint reading, AAR rules, FRA rules and regulations. Must be capable of using a respirator. Must have a valid driver's license.

Required Job Qualifications:

(The special note is to be used to explain any additional information an applicant might need in order to understand or answer questions about the minimum qualifications.)

Special Note:

Minimum Qualification Questions:

Or Substitution:

Do you have four (4) years practical experience performing Carman's work AND a strong background in railroad car construction, repair, and/or maintenance?